

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| S179 | 170 | 356/302.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 12:42 |
| S178 | 0 | 356/346.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 12:40 |
| S177 | 0 | 356/346,349.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 12:39 |
| S175 | 993 | 367/15,149,14.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 11:03 |
| S174 | 48 | ("1045575" "1492300" "2054067" "2077707" "2148679" "2156259" "2354659" "2636924" "2652530" "2717656" "2805727" "3292728" "3351936" "3392327" "3509960" "3524129" "3665466" "4218678").PN. OR ("4583095").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/13 11:01 |

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|------|-----|---|---|----|----|---------------------|
| S173 | 27 | ("3409369" "3604804" "4277167" "4284350" "4551018" "4583095" "4818100" "4834111" "4843597").PN. OR ("5070483").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/13 11:01 |
| S172 | 19 | ("3409369" "3604804" "4277167" "4284350" "4551018" "4583095" "4818100" "4834111" "4843597").PN. OR ("5109362").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/13 11:00 |
| S171 | 16 | ("3930734" "4053898" "4569588" "4653916" "4890921" "4892406" "4907886" "4927263" "5002395" "5070483" "5089698" "5106192" "5109362" "5116126" "5153669").PN. OR ("5477324").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/13 10:56 |
| S159 | 91 | S157 and (light or laser or x-ray or sonic or sonar or acoustic or radar or radio) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:30 |
| S158 | 2 | S157 and camera | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:29 |
| S157 | 115 | S156 and ((movement or motion or displacement or acceleration) same (sand or particle or sediment)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:28 |
| S156 | 327 | S153 S154 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:27 |

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|------|-------|--|---|----|----|---------------------|
| S155 | 15885 | "8" and (seafloor or seabottom or seabed or (sea adj (floor or bottom or bed))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:27 |
| S154 | 197 | S152 and (ocean adj (bottom or floor or bed)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:26 |
| S153 | 259 | S152 and (seafloor or seabottom or seabed or (sea adj (floor or bottom or bed))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:26 |
| S152 | 1976 | S149 S150 S151 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:26 |
| S151 | 1199 | seismic and (compressional and shear) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:26 |
| S150 | 949 | seismic and (P-wave or S-wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:25 |
| S149 | 1339 | seismic and ((P or S) adj wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/13 09:25 |
| S146 | 3 | S140 same movie | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:57 |

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|------|-------|--|---|----|----|---------------------|
| S145 | 15 | (US-20040252587-\$ or US-20050185510-\$ or US-20060096105-\$). did. or (US-6700833-\$ or US-5477324-\$ or US-4576479-\$ or US-5159406-\$ or US-4843597-\$ or US-5070483-\$ or US-4583095-\$ or US-5029023-\$ or US-5109362-\$ or US-6081481-\$).did. or (US-6141440-\$ or EP-516662-\$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/08/11 08:40 |
| S144 | 229 | S142 and ((sand or sediment or particle) with (motion or movement or acceleration or velocity or displacement)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:32 |
| S143 | 8 | S142 and movie | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:31 |
| S142 | 830 | S141 and (light or x-ray or sonar or radar or acoustic or seismic or radio or EM) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:31 |
| S141 | 830 | S139 and S140 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:29 |
| S140 | 20560 | (ocean adj (floor or bottom)) or (seafloor or seabottom or (sea adj (floor or bottom))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:29 |
| S139 | 10181 | S136 S137 S138 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:27 |

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|------|------|---|---|----|----|---------------------|
| S138 | 1198 | seismic and compressional and shear | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:26 |
| S137 | 553 | seismic and (P-wave and S-wave) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:26 |
| S136 | 9787 | seismic and (P and S) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:26 |
| S131 | 16 | S128 S129 S130 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S130 | 2 | "2006209487" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S129 | 6 | "2004051628" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S128 | 8 | "5279292".pn. "5293308".pn. "6005304".pn. "6252630".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S127 | 10 | ("20020165669" "5119341" "5331602" "5408238" "5577942" "6657585" "6701252" "6791490" "6807127").PN. OR ("6954175").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S126 | 2 | "6954175".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |

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|------|-----|--|---|----|----|---------------------|
| S125 | 13 | seismic and (laser adj doppler) and interferomet\$5 and ms | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S124 | 5 | seismic and (coherent adj light) and interferomet\$5 and ((relative adj (motion or movement)) with surface) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S123 | 5 | seismic and laser and interferomet\$5 and ((relative adj (motion or movement)) with surface) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S122 | 0 | seismic and laser and interferomet\$5 and ((relative adj (motion or movement)) with surcace) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S121 | 13 | "5109362" | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S120 | 14 | ("3738248" "4105990" "4922467" "4991149" "5357063" "5482044" "5598152" "5621345" "5732706" "6159149" "6325757" "6438071" "6700833").PN. OR ("6829197").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S119 | 13 | seismic and (laser or (coherent adj light)) and interferom\$6 and ms and (relative adj movement) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S118 | 7 | S117 and seismic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S117 | 331 | 356/486-487.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |

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|------|-----|---|--|----|----|---------------------|
| S116 | 16 | ("3429184" "3435656" "3693400" "3831137" "3961185" "4188096" "4322829" "4363114").PN. OR ("4500979").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S115 | 8 | seismic and (particle with movement) and (coherent adj light) and interferom\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S114 | 20 | ("3292143" "3603919" "3705381" "3757287" "3786405" "4150576" "4308599" "4439845" "4586135" "4847817" "4922467" "5357063" "5563848" "5672825" "5736642" "5974881").PN. OR ("6134966").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S113 | 1 | "6134966".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S112 | 21 | ("3711823" "4088979" "4300215" "4922467" "4951268" "4991149" "5200931" "5357063" "5482044" "5598152" "5598206" "5621345" "5732706" "6134966" "6159149" "6216540" "6325757" "6415666" "6438071").PN. OR ("6700833").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S111 | 133 | 367/149.ccls. and laser | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S110 | 226 | 367/149.ccls. and (light or laser) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |

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| S109 | 452 | 367/149.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S108 | 292 | 367/15.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S107 | 14 | S106 and seismic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S106 | 2764 | S104 S105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S105 | 1662 | 356/28,28.5.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S104 | 1115 | 356/614.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S103 | 2 | "6226601".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S102 | 452 | 367/149.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S101 | 24 | seismic and (laser with speckle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S100 | 11 | Langdon.in. and laser and vibration | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |

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| S99 | 0 | S98 and seismic | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S98 | 29 | ("2996708" "3174044" "3175088" "3237011" "3278753" "3289099" "3293438" "3302027").PN. OR ("5159406").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S97 | 74 | "367"/\$.ccls. and laser and heterodyne | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S96 | 0 | 356/349.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S95 | 2 | S93 S94 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S94 | 1 | 356/486.ccls. and (compressional adj wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S93 | 1 | 356/486.ccls. and (P adj wave) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S92 | 292 | 367/15.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S91 | 262 | 367/14.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S90 | 149 | 356/486.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |

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|-----|-----|---|---|----|----|---------------------|
| S89 | 108 | meldahl.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S88 | 6 | S85 S86 S87 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S87 | 2 | "5155363".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S86 | 2 | "5623307".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S85 | 2 | "4576479".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S84 | 20 | meldahl.in. and seismic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S83 | 108 | meldahl.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S82 | 2 | seismic and (mono or monofrequency) and light and interferometry and (ocean or sea or seabed or (ocean adj bottom)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S81 | 67 | seismic and laser and interferometry | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |

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|-----|----|---|--|----|----|---------------------|
| S80 | 11 | seismic and laser and interferometry and (ocean or sea or seabed or (ocean adj bottom)) | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S79 | 16 | ("3930734" "4053898" "4569588" "4653916" "4890921" "4892406" "4907886" "4927263" "5002395" "5070483" "5089698" "5106192" "5109362" "5116126" "5153669").PN. OR ("5477324").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S78 | 19 | ("3409369" "3604804" "4277167" "4284350" "4551018" "4583095" "4818100" "4834111" "4843597").PN. OR ("5109362").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S77 | 19 | marconi and seismic and electronic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S76 | 0 | marconi.in. and seismic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S75 | 5 | "6134966" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S74 | 64 | S71 S72 S73 | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S73 | 29 | ("3409369" "3604804" "4277167" "4284350" "4551018" "4583095" "4818100" "4834111" "4843597").PN. OR ("5070483" "5109362").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |

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| S72 | 26 | ("4146870" "4583095").PN. OR ("4843597").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/08/11 08:22 |
| S71 | 17 | "4583095" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 08:22 |
| S70 | 20 | meldahl.in. and seismic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/11 07:56 |
| S69 | 15 | (US-20040252587-\$ or US-20050185510-\$ or US-20060096105-\$). did. or (US-6700833-\$ or US-5477324-\$ or US-4576479-\$ or US-5159406-\$ or US-4843597-\$ or US-5070483-\$ or US-4583095-\$ or US-5029023-\$ or US-5109362-\$ or US-6081481-\$).did. or (US-6141440-\$ or EP-516662-\$).did. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/08/11 07:56 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------------|------------------|---------|------------------|
| S181 | 105 | 356/302.ccls. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 12:42 |
| S180 | 0 | 356/346,349.ccls. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 12:39 |
| S176 | 779 | 367/15,149,14.ccls. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 11:03 |
| S170 | 92 | S168 and (light or laser or x-ray or sonic or sonar or acoustic or radar or radio) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:30 |
| S169 | 2 | S168 and camera | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:29 |

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|------|-------|---|-----------------------------|----|----|------------------|
| S168 | 115 | S167 and ((movement or motion or displacement or acceleration) same (sand or particle or sediment)) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:29 |
| S167 | 328 | S164 S166 | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:27 |
| S166 | 258 | S163 and (seafloor or seabottom or seabed or (sea adj (floor or bottom or bed))) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:27 |
| S165 | 12757 | "8" and (seafloor or seabottom or seabed or (sea adj (floor or bottom or bed))) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:27 |
| S164 | 199 | S163 and (ocean adj (bottom or floor or bed)) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:27 |
| S163 | 1697 | S160 S161 S162 | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:26 |
| S162 | 1114 | seismic and (compressional and shear) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:26 |
| S161 | 865 | seismic and (P-wave or S-wave) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:25 |
| S160 | 1148 | seismic and ((P or S) adj wave) | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/13 09:25 |
| S148 | 1 | "6134966".pn. | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/11 08:17 |
| S147 | 7 | meldahl.in. and seismic | US-PGPUB; USPAT; UPAD | OR | ON | 2009/08/11 07:57 |

8/ 13/ 09 1:15:00 PM

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